

ABSTRACT OF THE DISCLOSURE

A lamp assembly having a reflector (102) holding a lamp element, or burner (104). The reflector (102) typically is an ellipse, with the burner arc positioned at one foci of the ellipse. A reflector extension (108) is designed to mate to the reflector (102). The reflector extension (108) has a first open end toward the reflector (102). The first open end typically is in contact with the reflector (102) to form a seal around the perimeter preventing glass shards from escaping between the reflector (102) and reflector extension (108). Preferably, the reflector extension (108) contacts the reflector (102) around the perimeter of the reflector (102). The second end of the reflector extension (108) also is open to allow the light from the arc to exit the reflector extension (108). A transparent plate (110) placed across this second open end prevents glass from leaving the reflector extension (108). The transparent plate (110) typically is glass, and may have an antireflective coating applied to the plate to limit the light reflected by the plate (110). Two or more ventilation ports (112) in the reflector extension (108) allow cooling airflow into the cavity around the burner (104). These ventilation ports alternatively are a series of small holes or slots in the reflector extension (108).